

**一 站 式 专 业 P C B A 制 造 商**  
Professional One-stop PCBA Manufacturer

**深 圳 市 宏 力 捷 电 子 有 限 公 司**  
Shenzhen Grande Electronics Co.,Ltd.

## 企业介绍 Company Profile



深圳市宏力捷电子有限公司成立于1998年，专业从事电子产品开发、PCB设计和制造、PCB组装、OEM产品代工的一站式生产厂家。总部设在深圳，目前拥有深圳、惠州、湖南益阳三地四家子公司。公司产品已得到美国UL和TS16949等认证，使本公司产品的可靠性、安全性更有保证。产品从工程开发、物料供应、工艺流程、质量监控到市场营销、售后服务，严格按照ISO9001：2008版本的品质保证模式管理，从根本上保证了产品品质。因此，无论订单数量多少，我们都可以给您提供更高品质的产品。

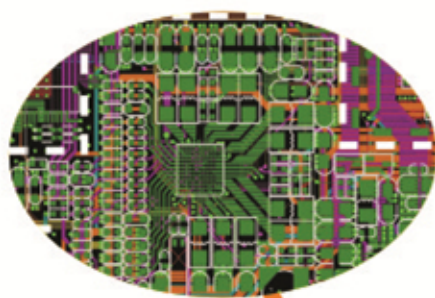
- Since 1998
- Run manufacturing bases in Shenzhen, Huizhou and Yiyang
- 18-year working experience in PCB layout
- 16-year rich experience in PCB&PCB Assembly
- Obtain the certification ISO9001:2008, TS16949:2009, UL
- Over 1.000 global partners

因为专业 所以专注

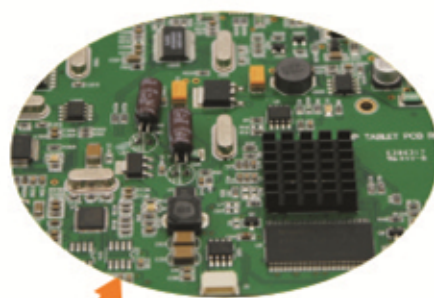


## 优势

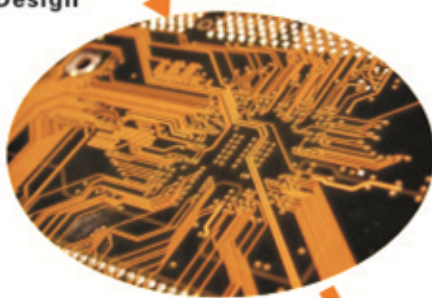
## Our Advantages



PCB Design



Your Product



PCB/FPC Fabrication



PCB Assembly



Components Sourcing

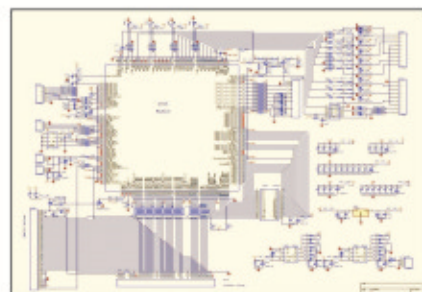
为什么选择我们?  
Why choose us?

- PCBA一站式服务  
One-stop service for prototype PCB
- 超过十年的电路板设计、生产经验  
Over 10 years experiences in PCB layout and fabrication
- 通过并严格按照认证流程管理和生产  
Management & production per certification
- 有竞争力的价格和良好的售后服务  
Competitive price and good after-sales service
- 知名大客户的长期认可  
Accreditation from esteemed customers
- 样品及中小批量  
No MOQ

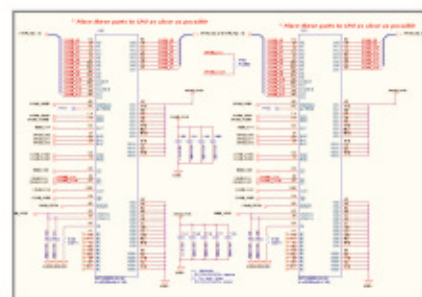
因为专业 所以专注

# PCB布线设计 PCB Layout

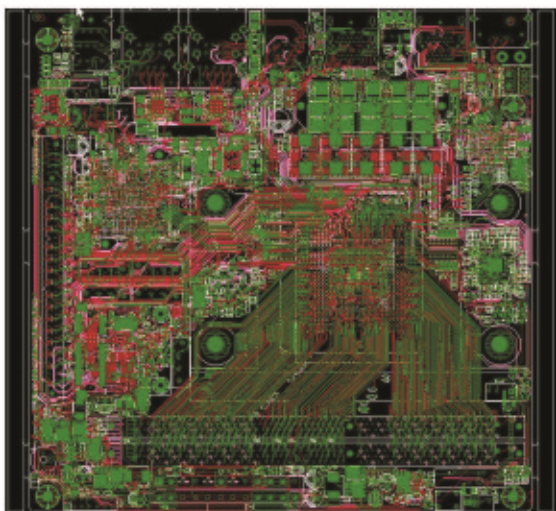
- Software: Allegro、PADS、AD(Protel)、Orcad、Mentor
- Maximum Layer: 40 Layers
- Maximum Pins: 63000 Pads
- Minimum Line Width / Spacing: 3mil
- Minimum BGA Pitch: 0.4mm
- Minimum Via: 6mil(Laser Drilling 4mil)
- Maximum BGAs/Board: 48pcs with Max BGA pins 2400
- High Speed Differential Pairs: 10Gbps runs up to 30 inches
- Highest CPU Core Frequency: 3.6GHz
- DSP Highest Core Frequency: 1.2GHz
- DDR/DDR2/DDR3/QDR/SRAM memory , Switch Power Supply
- PCI,CPCI,PCI-X,PCIE,SATA,SATA II,XAUI ATCA/MicroTCA/AMC
- Micro BGA RF Design Micro Vias Backplane
- Signal Integrity Analysis/EMC Analysis



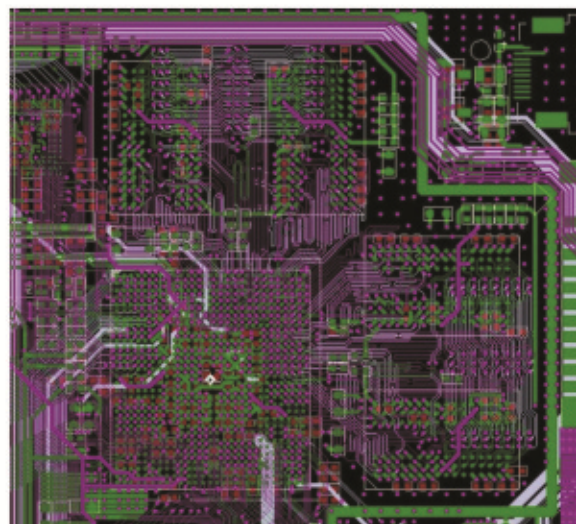
MCU 原理图  
MCU Schematic



高速DDR3内存原理图  
Schematic of high speed DDR3



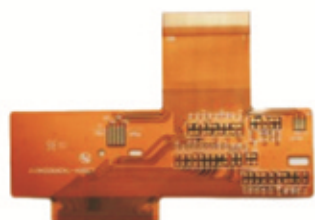
工控主板图  
Industrial control layout



四核手持游戏板  
4-Core game player layout

# FPC/PCB 生产

## FPC/PCB Fabrication



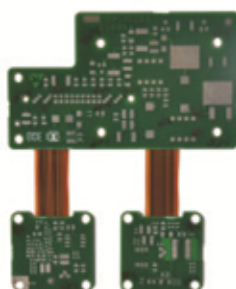
液晶显示  
FPC for LCD display



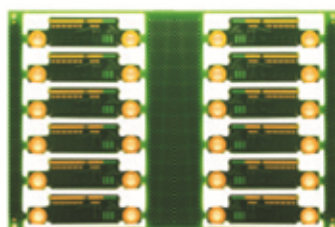
铝基板, LED照明  
AL based PCB, Lighting



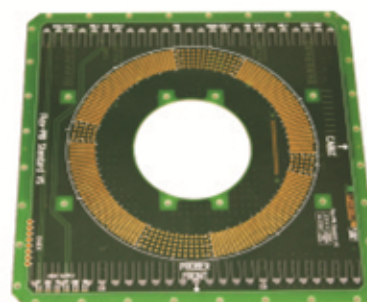
厚铜板, 6oz铜厚  
6oz finished copper PCB



软硬结合板, 监控产品转接板  
Rigid Flex PCB for CCTV transfer



6层, 5U"金厚  
6 Layers, Finishod Gold 5U"



10层板, 5.0mm厚度  
10 Layers, 5.0mm thickness

- 制作层数: 1-30层
- 制作最大尺寸: 650\*1100mm
- 最小线宽/线距: 3/3mil
- 最小钻孔孔径: 4mil
- 最厚铜厚: 7OZ

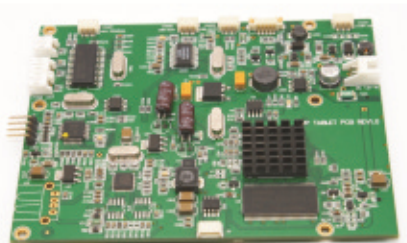
- Layers: 1-30 layers
- Max Size: 650\*1100mm
- Min trace width/space: 3/3mil
- Min hole size: 4mil
- Max copper thickness: 7oz

技术能力  
Technical Capability

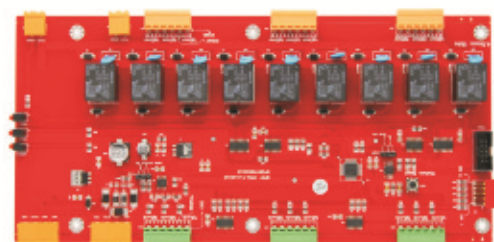
因为专业 所以专注



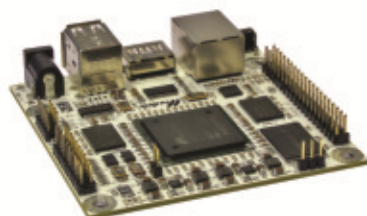
# PCBA生产 PCB Assembly



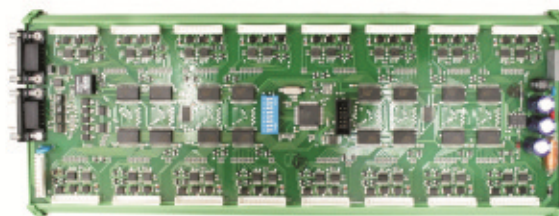
高端显示屏  
Tablet PCBA



消防控制板  
Fire Truck Control PCBA



微电脑模块板  
Microcomputer module PCBA



纺纱机主控板  
Spinning Main PCBA

## 主要服务行业 Main Service Filed



车载电子  
Vehicle Electronics



通信产品  
Communication



医疗产品  
Medical treatment

## 技术能力

Technical Capability

- 最大可贴PCB尺寸：457mm\*356mm;
- 最小可贴PCB尺寸：10mm\*10mm
- 最小阻容贴片封装：0201
- Max SMT PCB size: 457mm\*356mm
- MIN SMT PCB size: 10mm\*10mm
- Mini SMT Package: 0201

因为专业 所以专注

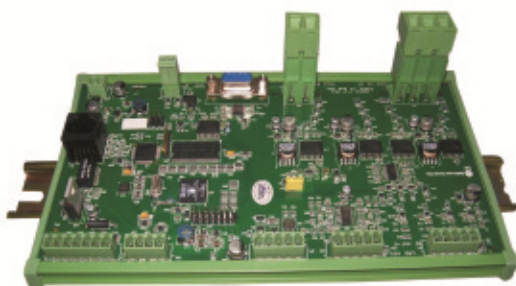
# PCBA 生产 PCB Assembly



医疗产品  
Medical Device PCBA



电源产品  
Power PCBA



风力发电产品  
Wind Power PCBA



智能游戏机  
TG Box PCBA



工业控制  
Industrial Control



计算机及周边产品  
Computer and its peripherals



家电产品  
Home Appliance



节能照明  
Energy-efficient Lighting

- 可贴最小BGA : 0.3mm
- 日贴片产能: 600万点
- SMT 线数: 7条
- Min SMT BGA pitch: 0.3mm
- Day Production capacity: 6 Million pads/day
- SMT Lines: 7



技术能力  
Technical Capability



## PCB生产设备 PCB Equipment



钻孔  
Drilling workshop



电镀  
Automatic plating line



曝光  
Exposure workshop



蚀刻  
Etching machine



后处理  
Aftertreatment machine



电测  
Electronic Testing



# SMT生产设备

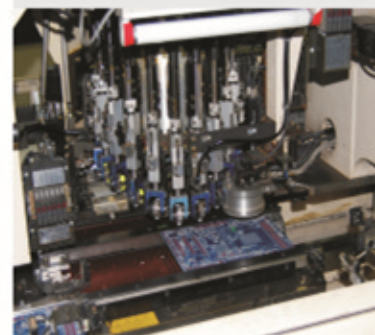
## SMT Equipment



插件  
DIP Workshop



工程测试台  
Engineering test  
platform



贴片图  
SMT Pic



贴片线  
SMT Line

## 认证和品质 Certification & Quality



UL认证  
UL Certification



ISO9001认证  
ISO9001 Certification



ISO14001认证  
ISO14001 Certification



TS16949认证  
TS16949 Certification



### 品质保证 Quality Control

宏力捷电子从创业至今已有十余年的发展历程,目前已经通过了ISO14001、TS16949、ISO9001、UL等认证,所有产品满足RoHS和IPC标等标准。

Since starting, Grande has had over 10 years development history. We proceed with production in accordance with ISO14001, ISO9001, TS16949 and UL certification, all products are complied to RoHS and IPC standard.

### 质量目标 Our Quality Target

- 一次合格率:  $\geq 96\%$ ;
- Eligible products rate of first production:  $\geq 96\%$
- 准时交货率:  $\geq 98\%$
- Delivery on time rate:  $\geq 98\%$
- 客户投诉率:  $< 1\%$
- Customer complaint rate:  $< 1\%$



# 环保及企业文化

## ECO&Group culture



污水处理系统  
Sewage treatment system

### 环境方针

#### Environment Policy

环保领先、节能降耗、预防污染

Environment first, Energy conservation, Pollution prevention

### 企业愿景

#### Company Vision

成为国际一流电子硬件外包提供商(PCB设计-PCB制板-SMT加工一站式综合服务)

To be the international first-class PCBA manufacturer

### 核心价值

#### Core Value

诚信互助、合作共赢、精诚服务、持续发展

Good faith, Cooperation, Double-wins, Sincere Services, Sustainable Development

### 质量方针

#### Quality Guide

品质至上、顾客为尊、完善管理、精益求精

Quality first, Respect customer, Improve management, Seek increasing perfection

## 深圳市宏力捷电子有限公司 Shenzhen Grande Electronics Co.,Ltd

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1st-3rd. Building, Jinji Industrial Zone, Xiaojinkou Town, Huicheng District,  
Huizhou, Guangdong

SMT工厂:深圳市宝安区龙华镇水斗新村工业区A栋  
Bldg. A, Shuidou, Longhua, Bao'an, Shenzhen, Guangdong

益阳工厂:湖南省益阳市高新区东部新区高新大道南58号(高新大道与园三路交界处)  
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